

507.73  
.P4P6842  
v.33

ART. 17. LOCALITIES OF THE HERPETOLOGICAL COLLECTIONS  
MADE DURING THE "NOVARA REISE"

BY CARL GANS  
Research Associate, Carnegie Museum

Recent work, involving forms of the genera *Dasypeltis* and *Liophis* mentioned in the *Novara* expedition reports made it necessary to re-examine the original travel descriptions. This resulted in the discovery of several interesting and apparently little known facts regarding the voyage and the collections resulting therefrom. Since some parts of the descriptions are no longer readily available, the following itinerary of the voyage and comments on the herpetological collections have been prepared in the hope that they might prove useful to others working on related problems.

On May 30, 1857, the Austrian Frigate *Novara* left Trieste on a circumnavigation of the globe. This voyage, designed primarily as a training venture for navy personnel, was also intended as an opportunity to "show the Austrian flag at more points of the world" (Scherzer, 1861, v. 1, p. 3). Secondary purposes were to be served by the accumulation of geological and natural history collections. To implement the latter and to engage in researches and observations in various fields, the expedition was accompanied by a scientific commission.

ITINERARY OF THE EXPEDITION

The scientific commission of the *Novara* consisted of seven naturalists\* of whom five are mentioned in various places as having made natural history collections. These are Ferdinand Hochstetter, the geologist, Eduard Schwarz, the botanist, Karl Scherzer, the ethnologist-geographer, and finally Georg Frauenfeld and Johann Zelebor, the two zoologists.

Schwarz, Frauenfeld, and Zelebor stayed with the *Novara* for the entire trip, while Hochstetter remained behind in New Zealand, at the request of that government, to make a more thorough geological examination of that region. When the expedition arrived in Chile, it was informed of the outbreak of the Franco-German war, so it was decided to discontinue the trip and return directly to Trieste. Scherzer, however, left the *Novara* at Valparaiso to travel separately up the west coast of South America (by steamer) and did not rejoin the expedition until its arrival in Gibraltar. The detailed itineraries of both Hochstetter and Scherzer follow that of the expedition as a whole.

During the two-year voyage the *Novara* expedition visited and collected extensively in 18 areas, besides making short stops in a number of other localities. In the itinerary that follows, names in capitals, generally prefaced by Arr. (Arrived) or Left, refer to those ports or anchorages touched by the *Novara*, while all localities mentioned as having been visited by shore parties, are given below this in lower-case letters. Statements in parentheses refer to items of herpetological interest in the text.

\* An eighth one started with the ship, but was debarked at Gibraltar.

AUG 25 1955



Besides the localities, the itinerary contains the dates on which the various localities were visited and the volume and page references of the descriptive reports. The latter are all cited from the German first edition (Scherzer, 1861-1862). Where the geographic designations used in the text were no longer up to date, more modern ones have been added in parentheses.

ITINERARY OF THE <i>Novara</i>			
<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1857			
30 April	Left TRIESTE	I	12
20 May	Arr. GIBRALTAR Campamiento and St. Roque, Spain Algeciras		29
30 May	Left GIBRALTAR		47
1 June	Anchored 15 miles N. of Malaga, Bay of FRANGEROLA		48
	No shore party, but visitors aboard.		
2 June	Left FRANGEROLA		51
8 June	Arr. FUNCHAL, MADEIRA Visit to N. of island, climb of Pico Ruivo Porto San Jorge		55
17 June	Left FUNCHAL		104
5 August	Arr. RIO DE JANEIRO, BRAZIL Corcovado Larangeiras Andarahy (Andaraí) Waterfall of Tejucas (Tijucas) (Notes on use of rattlesnake bite as cure for leprosy) Isla de Paquetá, Rio Bay (Paquetá) Other islands including Catalan (Catalão) Jujuba (encounter with Jararaca) Serra da Estrella (Estrela) and Petropolis		119 125 125 126 126 130 144 145 146 148
31 August	Left RIO DE JANEIRO		163
2 October	Arr. SIMONS BAY, CAPE COLONY Simonstown To Capetown via Chalk-Bay (Kalk-Bai) Zoologists make headquarters at Halfway House between Capetown and Simons Bay Capetown Excursion from Capetown Stellenbosch Paarl Wellington, Waggon-maker's Valley, Baine's Kloof Darling bridge over Brid (Breede) River Worcester (Notes on paleontological material collected in Beauford by Dr. Meynard) Crossing of Brid River in Worcester Valley, Hot Wells of Brand Valley		173 175 176  178 179 191 192 195  196 197 198 199 200

<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1857	Rendén Farm	I	202
	Donker's Hoek		203
	Kleene Islea Plaats (Farm), near Zonderend (endless) River, Genaadendal (Mercy Valley or Bavian's Kloef)		204
	(Gift of natural history materials by Dr. Roser)		209
	Caledon		210
	Hauhoek and Sir Lowry's passes, Somerset West, Sandvliet Farm		211
	Macassar Down		212
	Capetown		215
	Constantia		218
	Cape of Good Hope		220
26 October	Left SIMONS BAY		221
19 November	Arr. ST. PAUL ISLAND		225
	Preliminary reconnaissance		232
20 November	Collecting party ashore		240
6 December	( <i>Novara</i> returns second time to pick up party)		253
7 December	Left ST. PAUL		255
7 December	Arr. AMSTERDAM ISLAND		262
	Landings on shore		267
7 December	Left AMSTERDAM		271
1858			
8 January	Arr. POINT DE GALLE, CEYLON		277
	Galle		285
	Dadala Pánzela temple		287
	(Mention of presence in Galle of geckos of the forms <i>Tachybates triedrus</i> and <i>Eurhous Leschenaultii</i> )		290
	(Snake charmers and cobras)		291
	(Taming of snakes, snake cults), the road to Colombo		292
	Bentotte		295
	Colombo		297
	Ratnapurta, Caltura		309
	Colombo		310
	(Use of herb oil as antidote for snake venom)		315
	Ratnapurta		318
	Gilli-mali, Adam's Peak		319
	Ratnapurta, Caltura		325
16 January	Arr. MADRAS, Coromandel Coast, India		328
20 January	Left GALLE (Saw sea-snakes)		326
	(Cobras, <i>Aspis naja</i> in the Zoological Park)		340
	Fort Vellore		346
	(Crocodiles)		347
	Arucati		349

<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1858	Sadras, Mahamalaipuram	I	353
	Lake Pulikat		364
10 February	Left MADRAS		367
23 February	Arr. N. side KAR NIKOBAR		367
25 February	villages of Moose and Sáui	II	11
27 February	Left N. side KAR NIKOBAR		25
28 February	Arr. S. side KAR NIKOBAR		25
	Kómios		26
28 February	Left S. side KAR NIKOBAR		28
4 March	Arr. TILLANGSCHONG		29
	Morroch Bay		29
6 March	Left TILLANGSCHONG		32
6 March	Arr. NANGKAURI		33
	Hóe		33
	Monghata Hill, Ulála Bay, Kamorta		
	Island		34
	Enúang or Enong, Nangkauri		34
	Malacca		35
11 March	Left NANGKAURI		39
18 March	Arr. TREIS, visited island, left		41
	Arr. off LITTLE NIKOBAR, visited Pulo		
	Milu, and left		45
19 March	Arr. N. of BIG NIKOBAR		45
	Kodul		45
	Big Nikobar or Sambelung		47
23 March	Moved N. to S. side of BIG NIKOBAR		51
28 March	Big Nikobar landing		52
28 March	Left NIKOBAR ARCHIPELAGO		53
	(Reptiles of the Nicobar Islands, Mention of " <i>Gonyocephali</i> , <i>Calotae</i> , <i>Eutropis multifasciata</i> , <i>Liotropis Ernesti</i> , <i>Lampropholis sp. nov.</i> , <i>Ptychozoon homalocephalum</i> , <i>Typhlopes</i> , <i>Bothropes</i> , <i>Platurus fasciatus</i> , <i>Docidophryne</i> , <i>Crocodylus biporcatus</i> ")		74
	( <i>Chersydrus fasciatus</i> attacks chaplain aboard)		96
15 April	Arr. SINGAPORE, visit to island		98
21 April	Left SINGAPORE		127
5 May	Arr. BATAVIA (Djakarta), JAVA		129
13 May	Buitenzorg		146
14 May	Batoetoelis		152
	Pandok Gedeh		152
	Tjianjavar		155
	Tjipannas, foot of (Gununy) Pangerango		155
	Pangerango		156
	Tjiandur, Bandong		168
	Tji-sokan, Tji-sokan River, Tjitarum		
	[sic] River		171
	Lembang		172



1955	GANS: HERPETOLOGICAL LOCALITIES OF "NOVARA REISE"	279
<i>Date</i>	<i>Locality</i>	<i>Volume Page</i>
1858		
18 May	Tangkuban Prahū	II 178
	Bandong	180
	Tji-Tarum	182
19 May	Tjililin, Rongga District	182
20 May	Liotjitjangkang, Gunongatu, Tji Burial, and Tji-Tangki Rivers	183
21 May	Tji-Lanang Valley, Tji-Tjamo Valley Tjijabang, Tjuruk Baon	183
22 May	Tjuruk Alimun Falls of the Tji-Tarum; Gua, foot of Gunung Nungnang	184
23 May	Sanjang Tjikoro Mt., Radjamandala, Tjiandjur, Batavia	184
17 May	(Dr. J. Ch. Ploem of Tjiandur presents natural history collection), Buitenzorg	187
20 May	Batavia (v. Schierbrand presents natural history collection)	190
29 May	Left BATAVIA	197
15 June	Arr. CAVITE, LUZON, P. I.	197
	Manila	198
	Laguna de Bay	230
	Patero village	233
	Los Baños	235
	(Alligators)	238
	Calamba Swamps, Jallajalla, Bianangonan	241
	(Living " <i>Boa constrictor</i> " seen. Dimen- sions: 48 feet long, 7 inches thick)	247
25 June	Left CAVITE	248
5 July	Arr. HONGKONG, CHINA	250
	Travels on island	268
	Canton	269
	Macao	275
18 July	Left HONGKONG	291
26 July	Arr. WUSUNG (Shanghai)	294
	Shanghai	294
29 July	Moved WUSUNG to SHANGHAI	296
	Sikkawéi	340
11 August	Left SHANGHAI	383
18 September	Arr. PUYNIPET	400
	Landing	400
	(Small lizards with metallic-sapphire blue tails noted.)	402
	(Turtles in native diet)	407
	(Natives produce 500 pounds of tortoise shell annually)	423
18 September	Left PUYNIPET	
17 October	Arr. and left SIKAYANA (Big Island), Stewart's Atoll	434
	Fáole, Sikayana	449

<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1858			
5 November	Arr. PORT JACKSON, SYDNEY, NEW SOUTH WALES	II	425
	Sydney	III	1
	Cambden's Park		17
	Campbelltown		22
	Appin		23
	Bargo		25
	Wulongong, Illawara District		26
	Hunter River, New Castle coal fields, Ash Island		43
	(Monitor lizards, Thorny lizards), Sugar Loaf Mountain		44
	Coggerah Bay		68
	Long Bay		69
7 December	Left PORT JACKSON		93
22 December	Arr. AUCKLAND		95
	Takapuna District		100
	Drury District, Judge Bay, Oraki Bay		136
	Oraki village		137
	Titarangi, Manukau Mountains		138
28 December	Otahus, Papakura Plain		143
	Tahake River		145
	Rama-rama		147
	Mangtawhiri River		149
28 December	Waikato River		152
31 December	Tuakau village		153
1859			
2 January	Auckland		156
8 January	Left AUCKLAND		160
	(Hochstetter, the geologist, remained on New Zealand for eight additional months before returning home separately. His itinerary is given after that of the <i>Novara</i> )		158
11 February	Arr. PAPEETE, TAHITI		176
	Pointe Venus		
	Matavai village		195
	Fautáua Falls		196
	Lake Waiiria		199
	Faáa		201
28 February	Left PAPEETE		220
17 April	Arr. VALPARAISO, CHILE		245
	Valparaiso (Valparaíso)		247
	(Gift of zoological collection by Dr. C. Seget of Santiago de Chile, also by F. Leybold)		255
	Santiago de Chile (Santiago)		258
	Casa blanca, Curacaví (Casablanca)		259
	Maipu		270
	Melepilla (Mellipilla)		272

<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1859			
	Guillota (Quillota)	III	274
11 May	Left VALPARAISO (Scherzer, the ethnologist, left the <i>Novara</i> here, to travel separately up the west coast of South America, rejoining the <i>Novara</i> in Gibraltar. His itinerary follows that of Hochstetter)		284
1 August	Arr. GIBRALTAR		283
7 August	Left GIBRALTAR		400
20 August	Gravosa, Dalmatia		401
21 August	Arr. RAGUSA, ITALY		402
26 August	Arr. TRIESTE		402

ITINERARY OF HOCHSTETTER

1859			
January-February	Auckland Province explorations Port Manukau, Waikato Mouth on W. Coast, Drury and Papakura districts, Waikakere Mouth, Wangaparao Peninsula (Gift of zoological material)	III	161
6 March	Up Waikato River, and Waipa River Whaingaroa, Aotea and Kawhia on W. Coast, Mokau District to sources of Wanganui River in Tuhua District, Lake Taupo, E. coast at Maketu, Port Tauranga, Waiho Valley at Rangiawhia, Auckland		163
	Cape Colville Peninsula, E. shore of Hauraki Gulf, Coromandel Port		164
28 April	Left Auckland; New Plymouth		165
1 August	Wellington, Middle Island		166
3 August	Nelson, Blind Bay, Golden Bay (Received gifts of zoological material)		169
	Sydney, Melbourne, Gold fields; returned to Europe via Mauritius		170
			172

ITINERARY OF SCHERZER

1859			
17 May	Coquimbo, Caldera, Chile	III	297
20 May	Cobija, Bolivia (Punta Cobija, Chile)		299
	Iquíque, Peru (Chile)		300
21 May	Arica, Peru (Arica, Chile)		300
22 May	Chimba, Peru		301
22 May	d'Islay (Punta Islay)		304
23 May	Chala		307
24 May	Pisco		307
	Chincha Island (Islas de Chincha)		308
	Callao		313
	Lima		315
	Cajamarquilla in Rimac Valley		329

<i>Date</i>	<i>Locality</i>	<i>Volume</i>	<i>Page</i>
1859	Chorillos	III	338
	Pachacamác (Pachacamac)		335
14 June	Huanchaco		371
15 June	San José de Lambojeque, Chota District (San José, Depto. Lambayeque)		372
15 June	Payta (Paíta)		372
20 June	Taboga Island (Panamá)		375
21 June	Panama (Panamá)		376
21 June	Paraiso, Culebra, Matachin		386
	Barbacoa, Aspinwall (Colón)		387
23 June	Left Colon (Colón)		389
25 June	Cartagena, Venezuela (Colombia)		
30 June	St. Thomas		390
	(Gift of zoological material by A. Riise)		391
1 July	Left St. Thomas		391
18 July	Falmouth, England		397
19 July	Southampton, London		
27 July	Left for Gibraltar to rejoin the <i>Novara</i>		389

#### LITERATURE OF THE EXPEDITION

The records of the voyage were compiled and written by Scherzer, and were published almost simultaneously in Vienna and London (See Scherzer 1861-1862, and 1861-1863). The German edition only was reprinted in 1864-1866.

A secondary record regarding the voyage may be obtained by comparing the various letters and reports written by members of the expedition and published mainly in the *Sitzungsberichte der . . . Akademie der Wissenschaften, Wien*. Several members of the staff also appear to have written for the newspapers. As far as could be determined these reports are in good agreement with Scherzer. For the convenience of those who may wish to confirm details, an annotated, but by no means complete, set of references pertinent to the discussion has been appended.

The herpetological collections, stated to consist of 950 "Amphibien" (Scherzer, 1862, p. 410), were first examined by Fitzinger, who reported on them and the mammals collected by the expedition in a paper read before the kaiserliche Akademie der Wissenschaften zu Wien (1861). In this report the localities are just the major stops of the *Novara*, and no further details as to site of collection or number of specimens obtained were given. A number of new names were proposed in this paper.

The official reports on the collections were prepared by Steindachner (1867*a*, 1867*b*).\* He stated that he disagreed with a number of Fitzinger's

\*The two sections were first published separately in 1867 (See British Museum . . . AUSTRIA-HUNGARY). They were, however later republished as volume one of the zoological series at the time of completion of the last section, the complete volume bearing only the date 1869 on the title-page. This has resulted in a number of erroneous citations of the paper.



determinations and new descriptions, and generally gives Fitzinger's names in the synonymy under the new determinations.

The Steindachner reports do, however, contain a number of most puzzling entries which necessitate exercising considerable caution in their use. The specimens collected by the *Novara* expedition were at first kept in a special exhibit, the "Novara Museum" in Vienna, and were only later added to the official collections of the Naturgeschichtlichen Museums zu Wien. During this time there appear to have been added some collections presented to the expedition, often from localities not visited by the *Novara* or its staff. These donations as well as specimens from entirely different collections are included in Steindachner's report, sometimes without special reference to the fact that they were of diverse origin.

To give a few selected examples for these various cases there are "*Emys hamiltonii*", "*Pangshura tecta*", and "*Hemidactylus frenatus*", collected near Calcutta by Dr. Stolička, "*Sternotherus nigricans*", and "*Pachydactylus ocellatus*" from Madagascar by Frau Ida Pfeiffer, "*Ophryoessoides dumerilii* nov. spec." from Para, Brazil, by Joh. Natterer, much other material by the same collector also being mentioned. The prize example, though, is "*Pyxicephalus cordofanus* n. sp." from Cordofan (Anglo-Egyptian Sudan) a locality not likely to be visited by any frigate.

There is also a series of forms donated by Steindachner himself, for example, "*Pachydactylus ocellatus*", and "*Phyllodactylus lineatus*", as well as specimens collected by expedition members during previous voyages such as "*Crocodylus acutus* (v. Frauenfeld, Ecuador).

Steindachner finally also refers to material in the Naturgeschichtlichen Museum zu Wien as well as other institutions (Mus. Havn.) and for some forms he simply states the "Fundort" (locality where found), without indicating whether he had a specimen in hand.

In spite of the above, it is generally possible to distinguish the materials of the various categories mentioned as the number of specimens from the proper collections of the *Novara* is generally given together with a reference to the member of the military or scientific staff who collected them. Cross checking between names and localities permits a definite answer in most cases, but, in view of the evidence listed above, such scrutiny is an absolute necessity.

This paper was compiled while working in Brazil under a John Simon Guggenheim Memorial Fellowship during 1953-1954. The use of the facilities of the Departamento de Zoologia, Secretaria de Agricultura, São Paulo, and the help from members of its staff are also gratefully acknowledged.

## REFERENCES

## BRITISH MUSEUM

1903. Catalogue of the books, manuscripts, maps and drawings in the British Museum (Natural History). London, v. I, A-D, viii+500 p.

## FITZINGER, LEOPOLD J.

1861. Die Ausbeute der österreichischen Naturforscher an Säugthieren und Reptilien während der Weltumsegelung Sr. Majestät Fregatte Novara. Sitzber. kais. Acad. Wiss., Mathem. Naturwiss. Classe, Wien, v. 25, no. 25, p. 383-416.

## SCHERZER, KARL VON

- 1861-1862. Reise der oesterreichischen Fregatte Novara um die Erde, in den Jahren 1857, 1858, 1859, unter den Befehlen des Commodore B. von Wüllersdorf-Urbair. Wien, Kaiserlich-königliche Hof und Staatsdruckerei. 3 v. 1861-1862. Band I mit 5 Beilagen 1861. xii+368+(2)+39 p., 14 plates, 34 cuts in text, 8 maps. Includes chapter of instructions by A. v. Humboldt entitled, "Physikalische und geognostische Erinnerungen." Folding map and errata slip loose in back pocket. Band II mit 7 Beilagen. 1861. viii+454+(2)+28 p., 8 plates, 70 cuts in text, 15 maps. Subtitle: "Beschreibender Theil." Band III mit 9 Beilagen. 1862. viii+436+(2)+3+8+(1)+8+(1) p., 18 plates, 63 cuts in text, 11 maps. Subtitle: "Beschreibender Theil." Errata sheets for v. 2-3 bound at end of volume.
- 1861-1863. Narrative of the circumnavigation of the globe by the Austrian Frigate Novara . . . London, 3 v., illustrated. V. 1 contains a preliminary chapter by A. v. Humboldt entitled, "Physical and geognostic suggestions."
- 1864-1866. Reise der oesterreichischen Fregatte Novara um die Erde . . . Beschreibender Theil, Zweite Auflage. Wien, 3 v., illustrated.

## STEINDACHNER, FRANZ

- 1867a. Reptilien. *In* Reise der österreichischen Fregatte Novara . . . Zoologischer Theil, erster Band, Wirbelthiere. 98 p., 3 plates.
- 1867b. Amphibien. *In* Reise der österreichischen Fregatte Novara . . . Zoologischer Theil, erster Band, Wirbelthiere. 70 p., 5 plates.

## Letters and Articles Not Cited in Text

## FRAUENFELD, GEORG

1858. Notizen über die Fauna Hongkong's und Schanghai's, gesammelt während des Aufenthaltes Sr. Majestät Fregatte Novara im Sommer 1858. Sitzber. math. naturwiss. Classe. kais. Akad. Wiss., Wien, v. 35, no. 10, p. 241-272 [*not* 172]. Report on Hongkong visit. Mentions some reptiles and amphibians on p. 245.
1859. Notizen, gesammelt während meines Aufenthaltes auf Neuhol-land, Neuseeland und Taiti, bei der Fahrt Sr. Majestät Fregatte Novara in jenen Gewässern. Sitzber. . . . Wien, v. 38, no. 26, p. 717-748. Notes on the voyage through the islands. Few mentions of reptiles.

1859. Bericht des Herrn Custos-Adjuncten G. Frauenfeld über den Erfolg der ihm gewordenen Mission: die Weltumsegelungs-Expedition S. M. Fregatte Novara als Zoologe zu begleiten. Sitzber. . . . Wien, v. 38, no. 27, p. 814-820.  
Final report of the zoologist. Mentions 500 "Amphibien."
1859. Mein Aufenthalt auf Taiti. Verhandl. kais.-könig. zool.-bot. Gesell. Wien, v. 9, no. 3/4, p. 183-198.  
Notes on excursions on Tahiti.

## HAIDIGER, W.

1858. Drei Briefe von der Expedition der k. k. Fregatte Novara, von Singapore erhalten und mitgetheilt. Sitzber. . . . Wien, v. 30, no. 3, p. 175-190.  
Letters of v. Wüllersdorf, Scherzer, Hochstetter, with notes on the trip to Singapore, collections, etc. Mention of "Novara Museum."
1859. Neuste Nachrichten aus Sydney vom 10. November 1858. Sitzber. . . . Wien, v. 34, no. 2, p. 73-76.  
Description of the trip from China to Australia.
1859. Vorlage eines Schreibens von Herrn Dr. F. Hochstetter. Sitzber. . . . Wien, v. 34, no. 3, p. 203-206.  
Travels in Australia
1859. Schluss des Aufenthaltes S. M. Fregatte Novara in Sydney. Sitzber. . . . Wien, v. 34, no. 5, p. 362-366.  
Lists of Australian animals donated to the collection. Reptiles listed on p. 364.

## HOCHSTETTER, FERDINAND

1859. Notizen über einige fossile Thierreste und deren Lagerstätten in Neu-Holland, gesammelt daselbst während des Aufenthaltes Sr. Majestät Fregatte Novara im Monate December 1858. Sitzber. . . . Wien, v. 35, no. 10, p. 349-358.  
Australian fossils.

## KOLLAR, V.

1858. Aus einem Schreiben des mit der kaiserlichen Fregatte Novara reisenden Zoologen, Johann Zelebor. Sitzber. . . . Wien, v. 30, no. 2, p. 171-174.  
Notes on Gibraltar, Madeira (some amphibians collected), Rio de Janeiro, Cape of Good Hope, St. Paul, New Amsterdam, Ceylon, and Madras. Mentions shipment of specimens from Madras.
1858. Zweiter Bericht über die zoologischen Sammlungen des mit der kaiserlichen Fregatte Novara reisenden Naturforschers Johann Zelebor. Sitzber. . . . Wien, v. 31, no. 19, p. 226-228.  
Notes on collections made to and including Batavia. No mention of amphibians and reptiles.

## SCHAUB, VON

1856. Auszug aus einem Schreiben des Herrn Dr. Schaub in Trieste an den General-Secretär. Sitzber. . . . Wien, v. 22, p. 288.  
The original invitation to send two naturalists with the *Novara*.

## SCHERZER, KARL VON

1858. Aus Dr. Karl Scherzer's Mittheilungen an die k. Akademie über einige, während des Aufenthaltes Sr. M. Fregatte Novara in Funchal (Madeira) und Rio de Janeiro gewonnene Resultate. Sitzber. . . . Wien, v. 28, no. 3, p. 175-176.  
On curare.